From: Rafati, Michael
To: Lisa Contreras-Hendler
Subject: FW: Behr Dayton Plume/104(e)/Julie Maynard, Inc dba Consolidated Vehicle Converters
Date: Wednesday, July 11, 2018 12:05:56 PM
Attachments: ATT00001.txt
USEPA Ltr Encl Behr Plume Information Response - CVC.pdf

From: Hoffman, Timothy [mailto:tim.hoffman@dinsmore.com]
Sent: Tuesday, July 10, 2018 1:51 PM
To: Rafati, Michael <Rafati.Mike@epa.gov>
Subject: Behr Dayton Plume/104(e)/Julie Maynard, Inc dba Consolidated Vehicle Converters

Dear Mr. Rafati. Please see the attached which is also being sent via Fed Ex along with a disk of documents responding to the USEPA information request. Please contact me if you have questions or would like to discuss. Tim

Dinsmore

Timothy D. Hoffman
Partner

Dinsmore & Shohl LLP • Legal Counsel
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T (937) 449-2847 • **F** (937) 449-6405
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Dinsmore

Legal Counsel.

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Fifth Third Center ∧ One South Main Street ∧ Suite 1300
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Timothy D. Hoffman
937.449.2847
tim.hoffman@dinsmore.com

July 10, 2018

VIA FEDEX
Mike Rafati, Enforcement Specialist
U.S. Environmental Protection Agency, Region 5
Superfund Division – Emergency Response Branch 2
Enforcement Support Section, SE-5J
77 West Jackson Boulevard
Chicago, IL 60604-3590

RE: Response to Request for Information
Behr Dayton VOC Plume ("Behr Plume")/Spill Site B5FH
Consolidated Vehicle Converters ("CVC")

Dear Mr. Rafati:

I have been retained by CVC to assist it with respect to responding to the USEPA information request dated June 12, 2018. I have been assisting clients with respect to CERCLA matters for a number of years and recognize USEPA's authority to request information under Section 104(e)(2). My client would like USEPA to provide it with information as to why it was selected to receive this information request. Please provide any and all information used by USEPA to make this determination under the FOIA. While the authority of USEPA to seek information is clear under the statute, the focus is intended to develop information as to whether the recipient of the request has any potential liability for the contamination being addressed. I find it interesting that USEPA jumps immediately to financial/ability to pay information before asking one question about potential liability. For that reason, my client will defer providing that information until USEPA has provided credible evidence that there may be some liability for the Behr Plume cleanup costs. There are at least twelve (12) questions (with subparts) in the first 18 questions that relate to financial information before asking one question about operations and waste handling practices. Providing financial information is a very sensitive subject and I do not think it is unreasonable to defer providing it until liability is established. Once the USEPA has established that, my client will consider providing financial information.

Having said that, my client has provided the information contained on the enclosed "Requests" with respect to the other information requested to the extent it had responsive information. It has also provided a number of documents referenced in the responses.

As you will see in the enclosed responses, CVC rebuilds automotive torque converters. CVC has not operated at the site in question (1000 Webster Street) since 2007. That Webster Street operation was similar to the current operations only much smaller. USEPA has an access agreement for this Webster Street property from the property owner with respect to the installation of sub-slab soil vapor probes and other sampling activity. This would be helpful information I am sure to USEPA in its information gathering activities related to this Webster Street property. When does USEPA intend to do this? CVC informed me it does not use TCE or PCE in its current operations or when it was at the Webster Street location.

As previously stated, I recognize USEPA has authority to request the information listed in Section 104(e)(2) and that information (other than as noted above) is being provided and will be supplemented if additional information is found. I object to the "Instructions" requiring a certain format for responding and the "Declaration" as not authorized by CERCLA.

Please contact me if you have any questions or would like to discuss the responses.

Very truly yours,

Timothy D. Hoffman

TDH/mz/117446-1
Encl.
cc: Tim L. Prugh, General Manager
13080747.2

RESPONSE OF JULIE MAYNARD, INC.
dba CONSOLIDATED VEHICLE CONVERTERS
to
Information Request
Behr Dayton Thermal Products VOC Plume Site

REQUESTS

1. State the full legal name, address, telephone number, position(s) held by, and tenure of the individual(s) answering any of these Information Requests. For purposes of this Information Request, the "Facility" is the location or locations within or near the Site where the Respondent operates or operated.

   Tim Prugh – General Manager, Consolidated Vehicle Converters, (937) 443-0408
   John Maynard – Consultant, Consolidate Vehicle Converters, (937) 443 -0408

2. Identify all persons consulted in the preparation of the answers to these Information Requests.

   See the response to question 1.

3. Identify all documents consulted, examined or referred to in the preparation of the answers to these Information Requests, and provide copies of all such documents.

   See the documents enclosed with this response.

4. Identify the Respondent's policy with respect to document retention.

   Documents are only kept to meet regulatory requirements.

5. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request or who may be able to provide additional responsive documents, identify such persons.

   None known.

6. Provide the date the Respondent was incorporated, formed, or organized. Identify the state in which the Respondent was incorporated, formed, or organized.

   Julie Maynard, Inc. was formed March 4, 1996 as an Ohio corporation.

7. Identify the business structure, for example, sole proprietorship, general partnership, limited partnership, joint venture, or corporation, under which the Respondent currently exists or operates and identify all former business structures under which it existed or operated since its inception.

   Corporation

8. If Respondent is a corporation, respond to the following requests:

   (a) Provide a copy of the Articles of Incorporation and By-Laws of the Respondent;

   See the attached.

   (b) Provide Respondent's audited financial statements for the past five fiscal years, including, but not limited to those filed with the Internal Revenue Service. If audited financial statements are not available, please state the reasons that they are not available, and provide the financial statements that management would review at the conclusion of each fiscal year;

   With respect to any questions related to ability to pay information and insurance, please see the cover letter.

   (c) Identify all of Respondent's current assets and liabilities and the persons who currently own or are responsible for such assets and liabilities; and

   (d) Provide a list of any investments that the corporation may own. For example, any ownership in stock should list corporate name, number of shares owned and price at a current specific date. Ownership of real estate should itemize property location, type of property (land, office building, factory, etc.), size of property, purchase price and current market valuation. These schedules should agree with the financial statement presentations.

9. If Respondent is a partnership, provide copies of the Partnership Agreement.

   NA

10. If Respondent is a trust, provide all relevant agreements and documents to support this claim.

    NA

11. List and describe all casualty, liability, and/or pollution insurance coverage that is and was carried by you, your predecessors and/or successors, including any self-insurance provisions, that relates to hazardous substances and/or the Facility and provide copies of all of these insurance policies.

12. To the extent not provided in your response to Request 11 above, provide copies of all insurance policies that may potentially provide the owners with insurance for bodily injury, property damage and/or environmental contamination in connection with the

Facility and/or your business operations. Include, without limitation, all comprehensive general liability, primary, excess, and umbrella policies.

13. To the extent not identified in your response to Requests 11 and 12 above, provide all other evidence of casualty, liability and/or pollution insurance issued to you or the owners of the Facility.

14. If there are any such policies from Requests 11, 12, or 13 above which you are aware but neither possess copies, nor are able to obtain copies, identify each such policy to the best of your ability by identifying:

    (a) The name and address of each insurer and of the insured;

    (b) The type of policy and policy numbers;

    (c) The per occurrence policy limits of each policy; and

    (d) The effective dates for each policy.

15. Identify all communications and provide all documents that evidence, refer, or relate to claims made by or on behalf of the Respondent under any insurance policy in connection with the Facility. Include any responses from the insurer with respect to any claim.

None

16. Identify any previous settlements with any insurer in connection with the Facility, or for any claims for environmental liabilities during the time period in question. Include any policies surrendered or cancelled by the Respondent or insurer.

None

17. Identify any and all insurance, accounts paid or accounting files that identify Respondent's insurance policies.

18. Provide copies of all income tax returns sent to the Federal Internal Revenue Service in the last five years.

19. State the dates during which you owned, operated or leased the Facility and provide copies of all documents evidencing or relating to such ownership, operation or lease arrangement (e.g., deeds, leases).

Julie Maynard, Inc. dba Consolidated Vehicle Converters operated as a tenant at 1000 Webster Street from 1996 until 2007.

20. Provide information about the Facility, including but not limited to the following:

(a) Property boundaries, including a written legal description;

See enclosed real estate tax document.

(b) Location of underground utilities (telephone, electrical, sewer, water main, etc.);

Unknown

(c) Surface structures (e.g., buildings, tanks);

Buildings

(d) Groundwater wells, including drilling log;

None known.

(e) Storm water drainage system, and sanitary sewer system, past and present, including septic tank(s), subsurface disposal field(s) and other underground structures; and where, when and how such systems are emptied;

Former UST was removed many years ago by prior operator (circa early to mid-1990s). Attempting to locate public records of removal.

(f) Any and all additions, demolitions or changes of any kind on, under or about the Facility, to its physical structures or to the property itself (e.g., excavation work); and any planned additions, demolitions or other changes to the Facility; and

None while operated by Julie Maynard, Inc.

(g) All maps and drawings of the Facility in your possession.

None

21. Provide a complete list of employees who had knowledge of the use of hazardous substances and disposal of wastes at the Facility during any or all of the period of time that the Respondent operated at or was otherwise associated with the Facility. For each employee listed, provide the following information:

(a) The employee's full name;

(b) The employee's current or last known address and telephone number, including the last known date on which you believe each address and telephone number were current;

(c) The dates that the employee worked at the Facility;

(d) The position(s) the employee held under any of the Respondent's business structures; and

(e) The employee's job title(s) and the corresponding dates during which the Respondent believes that the employee would have had knowledge of the use and disposal of wastes.

None known other than Tim Prugh and John Maynard.

22. Describe the nature of your activities or business at the Facility, with respect to purchasing, receiving, processing, storing, treating, disposing or otherwise handling hazardous substances or materials at the Facility.

Please go to the website www.cvcconverters.com for a description of current business. The operations at 1000 Webster Street were a much smaller version of what is taking place today and not much has changed regarding the process except its much larger now, newer equipment, etc. Very little handling of hazardous materials and there was no disposal of hazardous materials at the 1000 Webster Street location. Please see the list of SDS for the current operation which would be similar to 1000 Webster Street. The operation at 1000 Webster Street was only about 20,000 square feet and started with three employees. The business rebuilds automotive torque converters and involves several manual lathe operations, cleaning machines (non-hazardous), bonding machines, balancers and hand tool operations. Very little chemical usage at 1000 Webster Street and current location.

23. Provide a list of all chemicals and hazardous substances used at the Facility, identifying the chemical composition and quantities used. Provide copies of Material Safety Data Sheets or Safety Data Sheets for all chemicals and hazardous substances used.

See response to question 22.

24. Identify the acts or omissions of any persons, other than your employees, contractors, or agents, that may have caused the release or threat of release of hazardous substances, pollutants or contaminants from the Facility and identify damages resulting therefrom.

None known.

25. Identify all persons having knowledge or information about the generation, transportation, treatment, disposal or other handling of hazardous substances by you, your contractors or by prior owners and/or operators.

None known except for Tim Prugh and John Maynard

26. Did you ever use, purchase, store, treat, dispose, transport or otherwise handle any hazardous substances or materials? If the answer to the preceding question is anything but an unqualified "no," identify:

See response to question 22.

(a) The chemical composition, characteristics, physical state (e.g., solid, liquid) of each hazardous substance;

(b) Who supplied the Respondent with such hazardous substances;

(c) How such hazardous substances were used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you;

(d) When such hazardous substances were used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you;

(e) Where such hazardous substances were used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you; and

(f) The quantity of such hazardous substances used, purchased, generated, stored, treated, transported, disposed or otherwise handled by you.

27. If the Respondent discharged any of its waste stream to the sewer at the Facility, provide copies of all permits and all analyses performed on discharged water, and identify all locations where waste streams were discharged.

Public sewers used at 1000 Webster Street, but no known permits or analysis.

28. For each waste stream generated at the Facility, describe the procedures for (a) collection, (b) storage, (c) treatment, (d) transport, and (e) disposal of the waste stream.

See response to question 22.

29. Identify all leaks, spills, or other releases into the environment of any hazardous substances, waste, pollutants or contaminants that have occurred at or from the Facility. In addition, identify and provide supporting documentation of:

(a) The date each release occurred;

(b) The cause of each release;

(c) The amount of each hazardous substance, waste, pollutant or contaminant released during each release;

(d) Where each release occurred and what areas were impacted by the release; and

(e) Any and all activities undertaken in response to each release, including the notification of any local, state, or federal government agencies about the release.

(f) Any and all investigations of the circumstances, nature, extent or location of each release or threatened release including, the results of any soil, water (ground and surface) or air testing undertaken; and

(g) All persons with information relating to these releases.

None known.

30. Identify and provide the information below for all volatile organic compounds (VOCs), most notably trichloroethylene (TCE) and tetrachloroethylene (PCE), that are or were used at, or transported to, the Facility since the beginning of the Respondent's operations at the Facility:

Julie Maynard, Inc. did not use TCE or PCE and does not at its current location. See response to question 22 for all other materials.

(a) The trade or brand name, chemical composition, and quantity used for each VOC-containing substance and the Material Safety Data Sheet or Safety Data Sheets for each product;

(b) The location(s) where each VOC-containing substance is or was used, stored, and disposed of, and the dates of chemical or hazardous substance use, storage or disposal at each location;

(c) Identify the specific equipment used in operations during which VOCs were utilized, and state the year(s) that the equipment was installed;

(d) State whether the storage areas and equipment in which VOC-containing substances were equipped with secondary containment structures;

(e) Describe the waste streams generated by operations and equipment with respect to VOCs and VOC-containing substances;

(f) State the volume and frequency of the VOC-containing waste materials discharged from the operations, and describe the waste storage methods for the waste materials;

(g) Provide copies of all analyses for substances containing VOCs performed on the materials used in equipment, during operations, and discharged from equipment prior to disposal;

(h) Provide copies of all analyses for substances containing VOCs in water, sludge or other substances generated during operations;

(i) State the quantity of VOC-containing substance(s) purchased (in gallons), the time period during which it was used, and the identity of all persons who used it; and

(j) Identify the supplier(s), and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks, or any other documents pertaining to the supply of chemicals or hazardous substances.

31. If any substance containing VOCs as a component was used in any operations at the Facility since the beginning of the Respondent's operations at the Facility, provide a complete description of those operations if not already described in your response to Request 26 above. Indicate the approximate volume of VOCs or VOC-containing substances used per month at the Facility, the period of time during which VOCs or VOC-containing substances were used, and describe the storage and disposal practices in effect for materials containing VOCs.

See previous responses.

32. Please identify the source or processes that produced VOC-containing materials used in the Respondent's operations and equipment since the beginning of the Respondent's operations at the Facility.

See previous responses.

33. Please describe where the Respondent disposed of VOC-containing materials used in the Facility's operations and equipment since the beginning of the Respondent's operations at the Facility.

See previous responses.

34. For any release or any suspected release, including VOCs, at and from the Facility not included in the response to Request 33, provide any document describing, evidencing or otherwise documenting such releases.

See previous responses.

35. Identify all past and present solid waste units (e.g., waste piles, landfills, surface impoundments, waste lagoons, waste ponds or pits, tanks, container storage areas) at the Facility. For each such solid waste unit identified, provide the following information:

See previous response related to a UST but otherwise none known.

(a) A map showing the unit's boundaries and the location of all known solid waste units whether currently in operation or not. This map should be drawn to scale, if possible, and clearly indicate the location and size of all past and present units;

(b) The type of unit (e.g., storage area, landfill, waste pile), and the dimensions of the unit;

(c) The dates that the unit was in use;
(d) The purpose and past usage (e.g., storage, spill containment);

(e) The quantity and types of materials (hazardous substances and any other chemicals) located in each unit;

(f) The construction (materials, composition), volume, size, dates of cleaning and condition of each unit; and

(g) If unit is no longer in use, how was such unit closed and what actions were taken to prevent or address potential or actual releases of waste constituents from the unit.

36. Identify the prior owners of the Facility. For each prior owner, further identify:

(a) The dates of ownership;

(b) All evidence showing that they controlled access to the Facility; and

(c) All evidence that a hazardous substance, pollutant or, was released or threatened to be released at the Facility during the period that it owned the Facility.

Site owned by MJ Real Estate Group LLC, formerly owned by John Maynard. Previous operator Mamco Converter, Inc. Have not searched public records for owners and operators beyond that. Current tenants operate a distribution business and a service master business.

37. Identify the prior operators, including lessors, of the Facility. For each such operator, further identify:

(a) The dates of operation;

(b) The nature of prior operations at the Facility;

(c) All evidence that they controlled access to the Facility; and

(d) All evidence that a hazardous substance, pollutant or contaminant was released or threatened to be released at or from the Facility and/or its solid waste units during the period that they were operating the Facility.

38. List the EPA Identification Numbers of the Respondent.

None known.

39. Provide copies of all local, state and federal environmental permits ever granted for the facility or any part thereof (e.g., Resource Conservation and Recovery Act (RCRA) permits, National Pollutant Discharge Elimination System permits).

None known.

40. Identify if the Facility ever had "interim status" under RCRA. If so and the Facility does not currently have interim status, describe the circumstances under which the Facility lost interim status.

Never had such a designation.

41. Identify if the Facility ever filed a notification of hazardous waste activity under RCRA. Provide a copy of such notification.

None known.

42. Provide all reports, information or data related to soil, soil gas, water (i.e., groundwater and surface water), air quality or geology/hydrogeology at and about the Facility. Provide copies of all documents containing such data and information, including both past and current aerial photographs as well as documents containing analysis or interpretation of such data.

No such information, but see previous responses regarding UST.

43. State whether you or your consultants are planning to perform any investigations of the soil, water (i.e., groundwater or surface water), geology, hydrology or air quality on or about the Facility. If so, identify:

No

(a) What the nature and scope of these investigations will be;

(b) The contractors or other persons that will undertake these investigations;

(c) The purpose of the investigations;

(d) The dates that such investigations will take place and be completed; and

(e) Where on the Facility such investigations will take place.

44. Was there ever a spill, leak, release or discharge of hazardous materials into any subsurface disposal system or floor drain inside or under the Facility building? If the answer to the preceding question is anything but an unqualified "no," identify:

None known, but see previous responses. There was also a separator tank for water discharges from the facility, no spills or leaks known from that.

(a) Where the disposal system or floor drains were located;

(b) When the disposal system or floor drains were installed;

(c) Whether the disposal system or floor drains were connected to pipes;

(d) Where such pipes were located and emptied;

(e) When such pipes were installed;

(f) How and when such pipes were replaced, or repaired; and

(g) Whether such pipes ever leaked or in any way released hazardous materials into the environment.

45. Describe any leaks, spills or releases of hazardous materials that occurred at the Facility when such materials were being:

(a) Delivered by a vendor;

(b) Stored (e.g., in any tanks, drums or barrels);

(c) Transported or transferred (e.g., to or from any tanks, drums, barrels or recovery units); or

(d) Treated.

None known.

46. Has soil ever been excavated or removed from the Facility? Unless the answer to the preceding question is anything besides an unequivocal "no," identify:

None known, but see previous responses regarding UST removal.

(a) Amount of soil excavated;

(b) Location of excavation;

(c) Manner and place of disposal and/or storage of excavated soil;
(d) Dates of soil excavation;

(e) Identity of persons who excavated or removed the soil;

(f) Reason for soil excavation;

(g) Whether the excavation or removed soil contained hazardous materials and why the soil contained such materials; and

(h) All analyses or test results of analyses of the soil that was removed from the Facility.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Consent for Access to Property
Behr Dayton Thermal VOC Plume Superfund Site

Name: MJ REAL ESTATE GROUP LLC

Description of Property: 1000 WEBSTER ST

Owner's Mailing Address (if different from Property Address above):
4991 HEMPSTEAD STATION DRIVE
KETTERING, OHIO 45429

Owner's Phone Number: 937-443-0408

Is Property a Rental Property? (Yes) No (Please circle answer)

Renter Contact Information

Name: SHANE DAY **Home Phone:** BILL KASICA

Cell Ph non-responsive **E-mail:** 937-829-2309

Please Check One Box:

☐ **I Do NOT authorize access** to my property by EPA.

☐ **Please contact me** at the phone number provided above to further discuss the proposed sampling activities.

☑ **I consent** to officers, employees, contractors, and authorized representatives of U.S. Environmental Protection Agency (EPA) entering and having continued access to this property for the following purposes:

- Building survey and installation of subslab soil vapor probes.
- Collection of outdoor air, indoor air, subslab soil vapor, and/or crawlspace air samples.

I realize these actions taken by EPA are undertaken pursuant to its response and enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA, known as the Superfund law), as amended. I also understand that these activities will be conducted at **no cost** to the property owner and/or resident.

I give this written permission voluntarily, on behalf of myself and all other co-owners of the property, with knowledge of my right to refuse and without threats or promises of any kind.

JUNE 6, 2017
Date

Owner Signature

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Questions about the Building:

1. Does the building have a basement? Yes _____ No ✓
2. If yes, does the basement have a concrete slab? Yes _____ No _____
3. If no, does the basement have a dirt floor? Yes _____ No _____ Partial _____
4. Does the building have a crawl space? Yes _____ No ✓
5. Are there are children under the age of seven years living at this residence? Yes _____ No ✓
6. Are there are pregnant women living at this residence? Yes _____ No ✓
7. Are there any underground pipes or utilities on the property that you are aware of? Yes ✓ No _____
8. If yes, please provide information. _____

FLOOR DRAINS LEAD TO SEPERATOR TANK

PLEASE RETURN THIS FORM TO:

Erik Hardin, 77 W. Jackson Blvd (SR-6J), Chicago, IL 60604

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 West Jackson Boulevard

Chicago, Illinois 60604-3590

(SR-6J)

May 31, 2017

MJ Real Estate Group LLC
4991 Hempstead Station Dr.
Kettering, OH 45429

Re: 1000 Webster St.

Dear Property Owner:

As part of on-going groundwater pollution monitoring for the Behr Dayton Thermal VOC Plume Superfund Site ("Behr Dayton Site"), the United States Environmental Protection Agency (EPA) and its contractors are collecting subslab[1] soil vapor and indoor air samples from nearby occupied buildings. Volatile organic compounds (VOCs) in groundwater, from the Behr Dayton Site, have the potential to turn into a vapor (volatilize). The purpose of this sampling is to determine if the VOCs are present in the soil vapor and/or within indoor air in occupied buildings near the Behr Dayton site, and if so, at what concentrations. If site-related VOCs are present in soil vapor beneath occupied buildings or within indoor air, it is possible for those VOCs to pose a risk to human health through a process called vapor intrusion. Your property at 1000 Webster St. is on our list of potential properties to be sampled.

Before EPA can evaluate your property, we need your written permission for the installation and sampling of subslab soil vapor probes and collection of indoor air samples. In addition to the sampling activities, a building survey and buried utility locating effort would be conducted within the building to select the best sample locations. This work is being done for the health and safety of the building occupants and would be at **NO COST** to you.

Background

The Behr Dayton Thermal System VOC Plume Superfund Site is located near downtown Dayton, Ohio. Chrysler Corporation owned and operated the facility from about 1937 to April 2002. During that time, it is thought that groundwater beneath the plant became contaminated with VOCs including the solvent trichloroethene, or TCE. Polluted groundwater from beneath the plant has migrated underground to the

[1] Subslab refers to the space under the basement floor and/or building slab of your property.

drill. A 1.5-inch hole (about the size of a half-dollar coin) will be drilled through the floor in the lowest level of the building through the concrete slab. A small probe tube will be installed to collect the subslab soil vapor sample. A small stainless steel cover will be placed over each probe after installation. The metal cover will be 2 inches in diameter and flush with the floor. We will work with you to make sure the probes are installed at locations that work best for you.

If the building has a crawlspace, we will substitute crawlspace air sampling for one or more of the subslab soil vapor probes.

The subslab soil vapor and indoor air samples will be collected several weeks after the building survey and probe installation is completed. During the sampling effort, indoor air sampling canisters (the size and shape of a basketball) will be placed in the building for a period of 8 hours (commercial buildings) or 24 hours (residential buildings). The canisters require no power and make no noise. The subslab soil vapor samples will be collected after the indoor air samples are done, and take approximately 30 minutes at each probe to collect. The sampling team will need access to the building twice during the sampling event, once to set up and start the indoor air sample collection and once to stop the indoor air sample collection and collect the subslab soil vapor samples. The visits to the building will be scheduled with you in advance.

You will be notified of your sample results approximately four months after the sampling, expected by February 2018 for the August/September/October 2017 sampling event.

Instructions on granting access

The EPA may not do this sampling work without your written permission so filling out the access agreement is important.

Please review and sign the form indicating if you agree or do not agree to give us access and have the work done. PLEASE MAIL, EMAIL, OR FAX THE ACCESS AGREEMENT BACK TO EPA by **June 30, 2017** TO BE ELIGIBLE FOR THE September/October 2017 SAMPLING EVENT. If you choose regular mail, return the form in the enclosed self-addressed, stamped envelope. If you choose email, please email your access agreement to hardin.erik@epa.gov. If you choose to fax your access agreement, please fax to 312-692-2928.

Thank you for your cooperation. If you have any questions, you may contact me toll-free during weekdays at 800-621-8431, ext. 62402. You can also contact Heriberto Leon, EPA Community Involvement Coordinator, at 800-621-8431 extension 6-6163.

Sincerely,

Erik Hardin
Remedial Project Manager

CONSOLIDATED VEHICLE CONVERTERS

RIGHT-TO-KNOW-INVENTORY

NAME from MSDS	MSDS DATE	DATE ORDERED	DATE RECEIVED	DATE FILED	DATE ARCHIVED
ACETONE	9/1/2009	02/22/10	02/22/10	02/24/10	
AIR TOOL LUBRICANT			07/01/13	07/23/13	
ALUMINUM NITROCELLULOSE LACQUER DARK GRAY	03/05/06		IN-HOUSE	01/01/05	
ALUMINUM OXIDE GRADES, ROLLS, FLAP WHEELS	05/02/00		IN-HOUSE	04/01/96	
AMMONIA HOUSEHOLD	02/13/09		IN-HOUSE	12/02/09	
ARGON, compressed	12/10/12			08/13/14	
BINKS 15 GALLON PRESSURIZED PAINT TANK	10/01/97		IN-HOUSE	04/01/96	
CARBON DIOXIDE / ARGON GAS MIXTURE	11/18/09	08/14/08	08/14/08	08/14/08	
CHEMSTATION 1522 FLOOR SOAP (Revised)	04/19/15	09/01/11	04/15/15	04/18/15	
CHEMSTATION 17832 RUST PREVENTATIVE	12/05/17		01/23/18	01/25/18	
CHEMSTATION 4070 ANTI-FOAM	10/10/05	09/01/11	09/01/11	09/08/11	
CHEMSTATION 60069 ALKALINE PARTS WASH (revised)	04/07/15	04/01/11	04/15/15	04/18/15	
CHEMSTATION 60078 ALUMINUM SAFE PARTS WASH (Revised)	04/08/15	04/01/11	04/15/15	04/18/15	
CHEVRON MEROPA HYDRAULIC FLUID	08/25/10		09/20/10	09/24/10	
CLOROX REGULAR BLEACH	08/09/09		IN-HOUSE	12/02/09	
COATED ABRASIVES - ALUMINUM OXIDE	04/01/93		IN-HOUSE	04/01/96	
COLD DRAWN STEEL BARS	01/02/96		IN-HOUSE	04/01/96	
COMPLUBE "10" /	02/01/00		IN-HOUSE	04/01/96	
E70S-2, E70S-3, E70S-6 SANDING DISC	09/20/99		IN-HOUSE	05/02/00	
FABULOSO ALL PURPOSE LIQUID CLEANER - LAVENDAR	03/19/08	06/01/09	06/01/09	12/02/09	
FAST DRY HS ENAMEL BLUE PAINT	03/23/05	02/01/10	02/01/10	03/01/10	
GRINDING WHEELS	08/16/94		IN-HOUSE	04/01/96	
HEAVY-DUTY DEGREASER	04/16/14		04/01/16	4-31-16	
HIGH SPEED STEEL	04/01/93		IN-HOUSE	04/01/96	
HYDRAULIC JACK OIL	02/01/04		07/01/13	07/23/13	
KRUD KUTTER, RUST REMOVER & INHIBITOR	06/12/12		06/09/15	06/09/15	
KRYLON PAINT ALL ENAMEL SPRAY PAINT	11/27/09		IN-HOUSE	12/02/09	
L-56 (CARBON STEEL ELECTRODE)	02/17/99		IN-HOUSE	02/17/99	
LACQUER THINNER	05/21/09		IN-HOUSE	02/23/10	
METHYL ETHYL KETONE	12/12/98		IN-HOUSE	04/01/96	
MINERAL SPIRITS 66 1% AROM	03/03/09		IN-HOUSE	04/01/96	
MR CLEAN ANTIBACTERIAL	02/13/08	06/01/09	06/01/09	12/02/09	
MRO SOLUTION 22	06/26/12	06/01/11	06/01/11	05/01/12	
MURIATIC ACID	04/16/15	01/06/16	01/07/16	01/11/16	
OMALA OIL 220 (GEAR LUBRICANT)	07/08/08		10/10/10	10/25/10	
OXYGEN, COMPRESSED GAS	10/14/09	08/14/08	08/14/08	08/14/08	
PAINT THINNER	12/03/15	02/08/16	02/11/16	02/25/16	
PINE SOL	06/01/05			01/20/12	
PL700 (BONDING ADHESIVE)	06/25/04		IN-HOUSE	06/25/04	

CONSOLIDATED VEHICLE CONVERTERS

RIGHT-TO-KNOW-INVENTORY

NAME from MSDS	MSDS DATE	DATE ORDERED	DATE RECEIVED	DATE FILED	DATE ARCHIVED
PROFORCE HEAVY DUTY DEGREASER	10/24/08	06/01/09	06/01/09	12/02/09	
PROPANE	06/13/12	08/14/08	08/14/08	08/14/08	
SERVICE PRO HYDRAULIC FLUID AW-32	03/10/06		IN-HOUSE	04/01/96	
SERVICE PRO PREMIUM ATF, DEXRON IIIH / MERCON	10/14/09		IN-HOUSE	10/14/09	
SPATTER SPATTER	05/19/16	05/12/16	05/12/16	05/19/16	
SPRAYON BRAKE & PARTS CLEANER	11/27/09		IN-HOUSE	12/02/09	
TRANSBRITE DIRTBUSTER LIQUID DETERGENT	12/06/06		11/18/09	11/18/09	
TRIM C270	01/21/11	08/08/13	08/09/13	08/20/13	
TRI-MARK WELDING WIRE	07/02/10		09/23/10	09/24/10	
TUNGSTEN ELECTRODES FOR WELDING	11/20/09	08/14/08	08/14/08	08/14/08	
WD-40 BULK LIQUID	08/05/09		IN-HOUSE	11/25/09	
WINDEX	4/8/2003		IN-HOUSE	12/02/09	
BLACK NITROCELLULOSE LACQUER PAINT	2/10/2013		1/25/2013		
MOBIL DTE 24 HYDRAULIC FLUID	08/24/12		11/04/13	11/14/13	

CVC DISCONTINUED PRODUCTS (RIGHT-TO-KNOW-INVENTORY)

EMCO RP-540 RUST PREVENTITIVE					04/19/11
EMCO RP-575 RUST PREVENTITIVE					04/19/11
EVAPO-RUST	04/24/09	08/16/10	08/17/10	08/18/10	04/19/11
KOBELCO WELDING WIRE	07/23/08	08/14/08	08/14/08	08/14/08	06/01/11
POLAR CLEAN-7610					04/19/11
POLAR CLEAN-7675					04/19/11
ROTO - BRITE XL-309LF	06/11/09		IN-HOUSE	06/01/07	07/10/11
SPATTER (ANTI-SPATTER)					12/22/09
TRANSBRITE 9000 ALUMINUM SAFE-LIQUID	04/09/08				05/18/11
WOCO TANKSIDE ANTIFOAM					09/16/11
POLAR CLEAN 112OH GREEN	08/05/11	11/30/09	11/30/09	11/30/09	11/01/11
POLAR 4070 ANTI-FOAM	11/10/05	08/01/11	08/01/11		11/01/11
CHEMSTATION 60078 ALUMINUM SAFE PARTS WASH	03/30/11	04/01/11	04/15/11	04/19/11	
CHEMSTATION 1764 RUST PREVENTATIVE	01/19/05	04/01/11	04/15/11	04/19/11	
CHEMSTATION 1522 FLOOR SOAP	10/07/02	09/01/11	09/01/11	09/08/11	
CHEMSTATION 60069 ALKALINE PARTS WASH	03/07/11	04/01/11	04/15/11	04/19/11	
CHEMSTATION 1764 RUST PREVENTATIVE (Revised)	04/19/15	04/01/11	04/15/15	04/18/15	01/23/18
CHEMSTATION 8031, DEFAULT SDS PRODUCT	07/16/15		12/14/17	12/15/17	03/01/18

Safety Data Sheet (SDS)
1522

SDS Revision Date: 04/19/2015

Floor Soap used manually & with floor scrubber

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	1522
Alternate Names	1522

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Contact ChemStation representative.
Application Method	Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name	ChemStation 2360 W Dorothy Lane Ste 112 Dayton OH 45439

Emergency	
CHEMTREC (USA)	(800) 424-9300
Customer Service: ChemStation	(937) 534-0410

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Corr. 1B;H314	Causes severe skin burns and eye damage.
Eye Dam. 1;H318	Causes serious eye damage.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

[Prevention]:

P260 Do not breathe mist / vapors / spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium hydroxide CAS Number: 0001310-73-2	1.0 - 10	Skin Corr. 1A;H314 Acute Tox. 4;H312	[1][2]
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	1.0 - 10	Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General — In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation — Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	No specific symptom data available. See section 2 for further details.
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.
Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 154

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m3) [skin]
		ACGIH	TWA: 20 ppmRevised 2003,
		NIOSH	TWA 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit
0001310-73-2	Sodium hydroxide	OSHA	TWA 2 mg/m3
		ACGIH	Ceiling: 2 mg/m3
		NIOSH	C 2 mg/m3
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0001310-73-2	Sodium hydroxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes	Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
Skin	Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Light straw Thin liquid
Odor	Mild
Odor threshold	Not Measured
pH	13.3 - 14.0
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	>212 deg F
Flash Point	>200 degrees F PMCC (non-flammable)
Evaporation rate (Ether = 1)	0.33
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined
Specific Gravity	1.041 - 1.063
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	Moderate

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

10.6. Hazardous decomposition products

Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Sodium hydroxide - (1310-73-2)	6,600.00, Mouse - Category: NA	1,350.00, Rabbit - Category: 4	600.00, Mouse - Category: NA	No data available	No data available
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	—	Not Applicable
Acute toxicity (dermal)	—	Not Applicable
Acute toxicity (inhalation)	—	Not Applicable
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	—	Not Applicable
Skin sensitization	—	Not Applicable
Germ cell mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive toxicity	—	Not Applicable
STOT-single exposure	—	Not Applicable
STOT-repeated exposure	—	Not Applicable
Aspiration hazard	—	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium hydroxide - (1310-73-2)	196.00, Poecilia reticulata	40.38, Ceriodaphnia dubia	Not Available
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Fiscis)	1,000.00, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number	NA1760
14.2. UN proper shipping name	Compound, Cleaning, Liquid, (Sodium Hydroxide)
14.3. Transport hazard class(es)	8
14.4. Packing group	III

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2B E

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):

Sodium hydroxide (1,000.00)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:

Ethylene glycol monobutyl ether

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Ethylene glycol monobutyl ether

Sodium hydroxide

Penn RTK Substances (>1%):

Ethylene glycol monobutyl ether

Sodium hydroxide

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document

MATERIAL SAFETY DATA SHEET

Product Name: 4070
Manufacturer's Name: ChemStation
Address: 2360 W Dorothy Lane Ste 112
Dayton, OH, 45439
Telephone Number: (937) 534-0410
Emergency Telephone Number: CHEMTREC (800) 424-9300
Product Created: November 10, 2005

ANTI-FOAM

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	PEL:	TLV:	Wt %:

This product contains no hazardous ingredients above minimum reporting levels.
This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Opaque Liquid which may be irritating.
Eyes: Irritating.
Skin: Irritating.
Inhalation (respiratory tract): Irritating.
Ingestion (gastrointestinal tract): Irritating.
Chronic (Cancer) Effects: There is no known effect from chronic exposure to this product.
Teratology (Birth Defect) Information: Components are not known to cause birth defects in humans.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician if symptoms persist.
Skin: Flush with water immediately. See a physician if symptoms persist.
Inhalation (respiratory tract): Remove to fresh air. See a physician if symptoms persist.
Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F PMCC (non-flammable) **UEL:** not applicable
Flammable Limits: None **LEL:** not applicable
Autoignition Temperature: None
Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.
Special Fire Fighting Procedures: Standard fire fighting procedures apply.
Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent. Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.
Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:
Eye Protection: Where splashing is likely, wear safety goggles.
Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.
Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to maintain acceptable inhalation levels.
Other Protective Clothing or Equipment: None.
Ventilation: Normal room air circulation.
For exposure control levels such as Threshold Limit Values (TLVs) or Permissible Exposure Limits (PELs) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque Liquid
Odor: Mild
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Evaporation Rate (Bu0ac=1): 0.33
Boiling Point: > 212 deg F
Solubility in Water: Complete
Specific Gravity: 0.995
Melting Point: <32 deg F
pH: 7.0

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to Avoid Avoid extremes in temperature.
Incompatibility: None known.
Hazardous Decomposition or Byproducts: None.
Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

No toxicity studies have been conducted on this product.

SECTION 12 - ECOLOGICAL INFORMATION

4070 is fully biodegradable. No toxicity studies have been conducted on this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning,N.O.I., Liquid
Hazard Class: None **ID No.:** None **Packing Group:** None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 4070 are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

0= no appreciable health hazard
1= skin irritant
2= hazardous ingredients <70%
3= hazardous ingredients >= 70%

Flammability: 0

0= flash point >200
1= 200 >= flash point >140
2= 140 >= flash point >100
3= flash point <= 100

Reactivity: 0

0-3 assigned on basis of reactivity of individual ingredients

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

Safety Data Sheet (SDS)
60069

SDS Revision Date: 04/07/2015

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	60069
Alternate Names	60069

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Contact ChemStation representative.
Application Method	Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name	ChemStation 2360 W Dorothy Lane Ste 112 Dayton OH 45439

Emergency	
CHEMTREC (USA)	(800) 424-9300
Customer Service: ChemStation	(937) 534-0410

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315	Causes skin irritation.
Eye Irrit. 2;H319	Causes serious eye irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H315 Causes skin irritation.

H319 Causes serious eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P321 Specific treatment (see information on this label).

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium silicate **CAS Number: 0001344-09-8**	1.0 - 10	Acute Tox. 4;H302 Skin Irrit. 2;H315 Eye Dam. 1;H318	[1]
Boric acid (H3BO3), compound with 2-aminoethanol **CAS Number: 0026038-87-9**	1.0 - 10	Not Classified	[1]
Sodium hydroxide **CAS Number: 0001310-73-2**	1.0 - 10	Skin Corr. 1A;H314 Acute Tox. 4;H312	[1][2]

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Move victim to fresh air. Call 911 or emergency medical service if deemed necessary. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Keep victim warm and quiet. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Inhalation	Move victim to fresh air. Call emergency medical care. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. See section 2 for further details.
Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.

Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

5.3. Advice for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA).
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.).
Contact with metals may evolve flammable hydrogen gas.
Containers may explode when heated.

TOXIC; inhalation, ingestion or skin contact with material may cause severe injury or death.
Contact with molten substance may cause severe burns to skin and eyes.
Avoid any skin contact.
Effects of contact or inhalation may be delayed.
Fire may produce irritating, corrosive and/or toxic gases.
Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

ERG Guide No. 154

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Stop leak if you can do it without risk.
Prevent entry into waterways, sewers, basements or confined areas.
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
DO NOT GET WATER INSIDE CONTAINERS.

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Keep unauthorized personnel away.
Stay upwind.
Keep out of low areas.
Ventilate enclosed areas.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0001310-73-2	Sodium hydroxide	OSHA	TWA 2 mg/m3
		ACGIH	Ceiling: 2 mg/m3
		NIOSH	C 2 mg/m3
		Supplier	No Established Limit
0001344-09-8	Sodium silicate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0026038-87-9	Boric acid (H3BO3), compound with 2-aminoethanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0001310-73-2	Sodium hydroxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001344-09-8	Sodium silicate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0026038-87-9	Boric acid (H3BO3), compound with 2-aminoethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Colorless Clear solution
Odor	Slight
Odor threshold	Not Measured
pH	12.4 - 13.4
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	>212 deg F
Flash Point	>200 degrees F PMCC (non-flammable)
Evaporation rate (Ether = 1)	0.33
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined
Specific Gravity	1.036 - 1.046
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	Low

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

10.6. Hazardous decomposition products

Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Sodium silicate - (1344-09-8)	>2,000.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Boric acid (H3BO3), compound with 2-aminoethanol - (26038-87-9)	No data available	No data available	No data available	No data available	No data available
Sodium hydroxide - (1310-73-2)	6,600.00, Mouse - Category: NA	1,350.00, Rabbit - Category: 4	600.00, Mouse - Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	—	Not Applicable
Acute toxicity (dermal)	—	Not Applicable
Acute toxicity (inhalation)	—	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	—	Not Applicable
Skin sensitization	—	Not Applicable
Germ cell mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive toxicity	—	Not Applicable
STOT-single exposure	—	Not Applicable
STOT-repeated exposure	—	Not Applicable
Aspiration hazard	—	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium silicate - (1344-09-8)	301.00, Lepomis macrochirus	216.00, Daphnia magna	Not Available
Boric acid (H3BO3), compound with 2-aminoethanol - (26038-87-9)	Not Available	Not Available	Not Available

Sodium hydroxide - (1310-73-2)	196.00, Poecilia reticulata	40.38, Ceriodaphnia dubia	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number	NA1760
14.2. UN proper shipping name	Compound, Cleaning, Liquid, (Sodium Hydroxide)
14.3. Transport hazard class(es)	8
14.4. Packing group	III

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2B E

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):

Sodium hydroxide (1,000.00)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Sodium hydroxide

Penn RTK Substances (>1%):

Sodium hydroxide

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document

Safety Data Sheet (SDS)
60078

SDS Revision Date: 04/08/2015

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	60078
Alternate Names	60078

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Contact ChemStation representative.
Application Method	Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name	ChemStation 2360 W Dorothy Lane Ste 112 Dayton OH 45439

Emergency	
CHEMTREC (USA)	(800) 424-9300
Customer Service: ChemStation	(937) 534-0410

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315	Causes skin irritation.
Eye Irrit. 2;H319	Causes serious eye irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H315 Causes skin irritation.
H319 Causes serious eye irritation.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P321 Specific treatment (see information on this label).

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium silicate **CAS Number: 0001344-09-8**	**1.0 - 10**	**Acute Tox. 4;H302** **Skin Irrit. 2;H315** **Eye Dam. 1;H318**	**[1]**

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available. See section 2 for further details.

Eyes Causes serious eye irritation.

Skin Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.
Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 0

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0001344-09-8	Sodium silicate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0001344-09-8	Sodium silicate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear, Colorless Thin liquid
Odor	Mild
Odor threshold	Not Measured
pH	12.8 - 13.4
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	>212 deg F
Flash Point	>200 degrees F PMCC (non-flammable)
Evaporation rate (Ether = 1)	0.33
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined
Specific Gravity	1.021 - 1.031
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	Low

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

10.6. Hazardous decomposition products

Hydrogen chloride and chlorine. Chlorine gas rate of decomposition increases with the concentration with temperatures above 85 degrees F (30C).

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Sodium silicate - (1344-09-8)	>2,000.00, Rat - Category: 5	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium silicate - (1344-09-8)	301.00, Lepomis macrochirus	216.00, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number	Not Applicable
14.2. UN proper shipping name	Compound, Cleaning,N.O.I., Liquid
14.3. Transport hazard class(es)	Not Applicable
14.4. Packing group	Not Applicable

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2B E

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:
(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
(No Product Ingredients Listed)

Penn RTK Substances (>1%) :
(No Product Ingredients Listed)

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document

Safety Data Sheet (SDS)
17832

Rust Preventative

SDS Revision Date: 12/05/2017

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity	17832
Alternate Names	17832

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	Contact ChemStation representative.
Application Method	Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name	ChemStation 2360 W Dorothy Lane Ste 112 Dayton OH 45439
Emergency	
CHEMTREC (USA)	(800) 424-9300
Customer Service: ChemStation	(937) 534-0410

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H315 Causes skin irritation.

H318 Causes serious eye damage.

[Prevention]:

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	No specific symptom data available. See section 2 for further details.
Eyes	Causes serious eye damage.
Skin	Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO_2, powder, water spray.

Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 154

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

Exposure

CAS No.	Ingredient	Source	Value
		OSHA	No Established Limit
		ACGIH	TWA: 5 mg/m3
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OSHA	TWA 3 ppm (6 mg/m3)
		ACGIH	TWA: 3 ppmSTEL: 6 ppm
		NIOSH	TWA 3 ppm (8 mg/m3) ST 6 ppm (15 mg/m3)
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
		OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended.

Skin Wear overalls to keep skin contact to a minimum.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Amber thin liquid
Odor	Mild
Odor threshold	Not Measured
pH	9.8 - 10.4
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	212 deg F
Flash Point	>200 degrees F PMCC (non-flammable)
Evaporation rate (Ether = 1)	0.33
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined
Specific Gravity	1.019 - 1.029
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	Low

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No hazardous decomposition data available.

11. Toxicological information

Acute toxicity - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
	No data available	No data available	No data available	No data available	No data available
	1,720.00, Rat - Category: 4	1,015.00, Rabbit - Category: 4	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	—	Not Applicable
Acute toxicity (dermal)	—	Not Applicable
Acute toxicity (inhalation)	—	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	—	Not Applicable
Skin sensitization	—	Not Applicable
Germ cell mutagenicity	—	Not Applicable
Carcinogenicity	—	Not Applicable
Reproductive toxicity	—	Not Applicable
STOT-single exposure	—	Not Applicable
STOT-repeated exposure	—	Not Applicable
Aspiration hazard	—	Not Applicable

12. Ecological information

12.1. Toxicity - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
	Not Available	Not Available	Not Available
	150.00, Oncorhynchus mykiss	65.00, Daphnia magna	15.00 (72 hr), Desmodesmus subspicatus

12.2. Persistence and degradability

This product is fully biodegradable.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number	NA1760
14.2. UN proper shipping name	Compound, Cleaning, Liquid, (Ethanolamine)
14.3. Transport hazard class(es)	8
14.4. Packing group	III

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2B E
US EPA Tier II Hazards	**Fire:** No **Sudden Release of Pressure:** No **Reactive:** No **Immediate (Acute):** Yes **Delayed (Chronic):** No

EPCRA 311/312 Chemicals and RQs:
(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Ethanolamine

Triethanolamine

Penn RTK Substances (>1%):

Ethanolamine

Triethanolamine

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

End of Document

The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product:	ORIGINAL PINE-SOL® BRAND CLEANER 1	
Description:	CLEAR, AMBER, THIN LIQUID WITH CHARACTERISTIC PINE ODOR	
Other Designations	**Distributor**	**Emergency Telephone Nos.**
EPA Reg. No. 5813-83	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014. For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).

II Health Hazard Data

Causes substantial but temporary eye injury.

No medical conditions are known to be aggravated by exposure to this product.

FIRST AID:

EYE CONTACT: Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, call a doctor.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation develops, call a doctor.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glassful of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If breathing is affected, call a doctor.

III Hazardous Ingredients

Ingredient	Concentration	Worker Exposure Limit
Pine oil CAS # 8002-09-3	8 - 10%	Not established.
Alkyl alcohol ethoxylates CAS # 127036-24-2	3 - 7%	Not established.
Isopropyl alcohol CAS #67-63-0	1 - 5%	200 ppm - TLV-TWA[a] 400 ppm - PEL[b] 400 ppm - TLV-STEL[c]
Sodium petroleum sulfonate CAS # 68608-26-4	1 - 5%	Not established.

[a]TLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average

[b]PEL = OSHA Permissible Exposure Limit - Time Weighted Average

[c]TLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit

None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.

IV Special Protection and Precautions

Hygienic Practices: Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Engineering Controls: Use general ventilation or local exhaust to minimize exposure to vapor or mist.

Personal Protective Equipment: Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.

V Transportation and Regulatory Data

DOT: Not restricted per 49 CFR 173.120(a)(3) and Appendix H.

IMDG: Not restricted per IMDG Code Page 0016 Paragraph 5.1.3.1.1.

IATA: Not restricted per IATA D.G.R. Sections 3.3.1.2 and 3.3.5.

EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals which are regulated under Section 313 and contains benzoic acid (CAS #65-85-0, <1%) which is regulated under Section 304/CERCLA.

VI Spill Procedures/Waste Disposal

Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.

VII Reactivity Data

Stable under normal use and storage conditions.

VIII Fire and Explosion Data

Flash Point: 121° F (Tag closed cup).

Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO_2), foam, or water spray.

IX Physical Data

pH	3.0 - 4.0
Specific gravity	~1.0
Solubility in water	Appreciable

DATE PREPARED 6/05

COLGATE-PALMOLIVE Company
MATERIAL SAFETY DATA SHEET

FABULOSO ALL PURPOSE LIQUID CLEANER - LAVENDER

This industrial Material Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: FABULOSO ALL PURPOSE LIQUID CLEANER - LAVENDER
CAS Number: Not applicable - product is a mixture.

COLGATE-PALMOLIVE COMPANY
300 Park Avenue
New York NY 10022

Emergency Telephone:
For emergency involving spill, leak, fire, exposure or accident, call CHEMTREC (800) 424-9300, day or night

Medical Emergency (24HR): For MEDICAL EMERGENCIES involving this product call: (888) 489-3861

General Use: A formulated multi-purpose cleaner

2 HAZARDS IDENTIFICATION

Emergency Overview
Appearance: Violet clear liquid
Odor: Characteristic

Potential Health Effects

Inhalation: No adverse effects due to inhalation are expected.

Eye Contact: Causes eye irritation on direct contact.

Skin Contact: Causes skin irritation. Prolonged contact may cause allergic dermatitis.

Ingestion: May be harmful if swallowed in large quantities.

3 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA-REGULATED COMPONENTS (present at a concentration of > or = 1%)

Chemical Name	CAS-No.	Concentration*
Sodium dodecyl benzene sulfonate (linear)	25155-30-0	1 - 5%
C9-11 Pareth-8	68439-46-3	1 - 5%
Perfume (Parfum)	Mixture	1 - 5%

Listed Carcinogens:
The following components, present at a concentration of > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), OSHA or ACGIH: None.

4 FIRST AID MEASURES

Inhalation: Not applicable.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention if irritation persists.

Skin Contact: Flush skin thoroughly with water. Get medical attention promptly if symptoms persist or occur after washing.

Ingestion: Drink 8 ounces of clear water. Get medical attention if any discomfort occurs.

5 FIRE-FIGHTING MEASURES

Flammable Properties: Not flammable. However, during fire, gases hazardous to health may be formed.

Extinguishing Media: Water spray, all-purpose dry chemical

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.

NFPA Rating Fire = 0.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8 of the MSDS.

Spill Cleanup Methods: Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

7 HANDLING AND STORAGE

Store at controlled room temperature at 20–25 °C (68-77°F).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: In an industrial work environment no special precautions or control measures are required.

General Hygiene Considerations: In an industrial work environment avoid eye and prolonged skin contact.

Personal Protective Equipment: In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective gloves. For consumer use, no

unusual precautions are necessary.

Exposure Guidelines: No exposure limits noted for ingredient(s). Consult local authorities for recommended exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Violet clear liquid
Odor: Characteristic
pH: 6.5 - 7.5
Boiling Point (Initial): No data available.
Flash Point (Method): Not applicable.
Specific Gravity or Relative Density: No data available.
Solubility in Water: Soluble in water.
Viscosity: No data available.

10 STABILITY AND REACTIVITY

General: This product is stable. Hazardous polymerization will not occur.

Incompatible Materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: None known.

11 TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the MSDS.

12 ECOLOGICAL INFORMATION

There is no ecological information available at this time.

13 DISPOSAL CONSIDERATIONS

General Information: Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or on the ground.

RCRA Information: Not regulated.

14 TRANSPORT INFORMATION

DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

15 REGULATORY INFORMATION

US Regulations

TSCA Section 8(b): All ingredients are either listed or exempt from listing on TSCA.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Name	RQ
Sodium dodecyl benzene sulfonate (linear)	1000 lbs

SARA

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated.

Section 313 Toxic Release Inventory (40 CFR 372): Not regulated.

Clean Air Act

Clean Air Act 111 Standards of Performance for New Stationary Sources: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Not regulated.

Clean Water Act

Clean Water Act Section 307(a)(1) Toxic Pollutants: Not regulated.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Sodium dodecyl benzene sulfonate (linear)

RCRA Information: Not regulated.

State Regulations

New Jersey Right-To-Know List: Sodium dodecyl benzene sulfonate (linear)

Pennsylvania Right-To-Know List: Sodium dodecyl benzene sulfonate (linear); Sodium sulfate

Massachusetts Right-To-Know List: Sodium dodecyl benzene sulfonate (linear)

Canada

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required

information.

Canada; Workplace Hazardous Materials Information System (WHMIS) Listed Material: C9-11 Pareth-8, Sodium dodecyl benzene sulfonate (linear)

16 OTHER INFORMATION

Issue Date: 19-Mar-2008
Supercedes Date:
SDS No.: 1011316
MSDS Status: New
Disclaimer: The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.

MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Page 001
Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 999.0000017-006.005

METHYL ETHYL KETONE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity
Product Name: METHYL ETHYL KETONE
Product Code: 3540000
General or Generic ID: KETONE

Company
Ashland Chemical Co.
P.O. Box 2219
Columbus, OH 43216
614-790-3333

Emergency Telephone Number:
1-800-ASHLAND (1-800-274-5263)
24 hours everyday

Regulatory Information Number:
1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
METHYL ETHYL KETONE	78-93-3	100.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye
May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin
Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation
Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure
Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 399.0000017-006.005

METHYL ETHYL KETONE

Target Organ Effects
Based on animal studies, exposure to methyl ethyl ketone (MEK) increases the onset of peripheral neuropathy caused by exposure to methyl butyl ketone (MBK), and/or n-hexane, and/or ethyl butyl ketone. MEK alone has not been shown to cause peripheral neuropathy. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects.

Developmental Information
This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.

Cancer Information
Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects
No data

Primary Route(s) of Entry
Inhalation, Skin absorption, Skin contact, Eye contact.

4. FIRST AID MEASURES

Eyes
If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin
Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing
Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation
If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin lung (for example, asthma-like conditions).

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 999.0000017-006.005

METHYL ETHYL KETONE

5. FIRE FIGHTING MEASURES

Flash Point
23.0 F (-5.0 C) TCC

Explosive Limit
(for product) Lower 2.0 Upper 11.5 %

Autoignition Temperature
759.0 F (403.8 C)

Hazardous Products of Combustion
May form: carbon dioxide and carbon monoxide.

Fire and Explosion Hazards
Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media
regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions
Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating
Health - 1, Flammability - 3, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill
Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill
Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

7. HANDLING AND STORAGE

Handling
Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank cars and tank trucks, should be

Continued on next page

MATERIAL SAFETY DATA SHEET

grounded and/or bonded when material is transferred. warning. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection
Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection
Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections
If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls
Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines
Component

METHYL ETHYL KETONE (78-93-3)
OSHA VPEL 200.000 ppm - TWA
OSHA VPEL 300.000 ppm - STEL
ACGIH TLV 200.000 ppm - TWA
ACGIH TLV 300.000 ppm - STEL

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point
(for product) 175.0 F (79.4 C) @ 760 mmHg

Vapor Pressure
(for product) 30.900 mmHg @ 68.00 F

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 999.0000017-006.005

METHYL ETHYL KETONE

Specific Vapor Density
2.500 @ AIR=1

Specific Gravity
.806 @ 68.00 F

Liquid Density
6.710 lbs/gal @ 68.00 F
.806 kg/1 @ 20.00 C

Percent Volatiles
100.0 %

Volatile Organic Compounds (VOC)
100.000 %
807.000 g/1
6.710 lbs/gal

Evaporation Rate
5.70 (N-BUTYL ACETATE)

Appearance
CLEAR, COLORLESS, MOBILE LIQUID

State
LIQUID

Physical Form
NEAT

Color
CLEAR, APHA COLOR 10 MAX

Odor
STRONG CHARACTERISTIC "KETONE"

pH
No data

Viscosity
.4 cps

Freezing Point
-123.0 F (-86.1 C)

Molecular Weight
72.0

Solubility in Water
26.8 % AT 20.0 C

Octanol/Water Partitiion Coefficient
1.720

Bulk Density
.900 lbs/ft3

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MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 999.0000017-006.005

METHYL ETHYL KETONE

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.

Hazardous Decomposition
May form: carbon dioxide and carbon monoxide.

Chemical Stability
Stable.

Incompatibility
Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information
Destroy by incineration in accordance with applicable regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:
METHYL ETHYL KETONE,3,UN1193,II

Container/Mode:
55 GAL DRUM/TRUCK PACKAGE

NOS Component:
None

RQ (Reportable Quantity) - 49 CFR 172.101

Product Quantity (lbs)	Component
5000	ETHYL METHYL KETONE

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland Chemical Co.

Date Prepared: 01/26/98
Date Printed: 12/12/98
MSDS No: 999.0000017-006.005

METHYL ETHYL KETONE

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs)
METHYL ETHYL KETONE	5000

SARA 302 Components - 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class - 40 CFR 370.2
Immediate(X) Delayed(X) Fire(X) Reactive( ) Sudden Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s)	CAS Number	%
METHYL ETHYL KETONE	78-93-3	100.00

International Regulations
Inventory Status
ACOIN (AUSTRALIA) The intentional ingredients of this product are listed.
DSL (CANADA) The intentional ingredients of this product are listed.

State and Local Regulations
California Proposition 65
None

New Jersey RTK Label Information
METHYL ETHYL KETONE 78-93-3

Pennsylvania RTK Label Information
2-BUTANONE 78-93-3

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16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Last page

==========MATERIAL SAFETY DATA SHEET==========
========FOR CHEMICALS, COATINGS AND RELATED MATERIALS========
=========IN COMPLIANCE WITH OHSA 29 CFR 1910.1200==========
==========MANUFACTURER==========
LANNING CHEMICAL CO., INC. 3000 GRIFFITHS AVE. LOUISVILLE, KY 40212
==========EMERGENCY PHONE NUMBER==========
==========DAY 1-502-776-8330==========
==========NIGHT 1-800-424-9300 CHEMTREC==========
DATE PREPARED 01-25-05 REVISION DATE 03-5-06

SECTION 1-PRODUCT

NUMBER: LE-571
NAME : ALUMINUM NITROCELLULOSE LACQUER DARK GRAY

HMIS HAZARD CODES

HEALTH	2 SLIGHT
FLAMMABILITY	3 SERIOUS
REACTIVITY	0 MINIMAL
PERSONAL PROTECTIVE EQUIP	E

SECTION 2- HAZARDOUS INGREDIENTS

MATERIAL DESCRIPTION	PERCENT BY WEIGHT	C.A.S. REGISTRY NO.	LEL	VAPOR PRESSURE MM HG @ 20C
ISOPROPYL ALCOHOL	1.98	67-63-0	3.	33.0
XYLENE	12	1330-20-7	1.	9.5
TOLUENE	38	108 88 3	1.	38.0
N-BUTYL ACETATE	20	123 86 4	2.	40.0
METYL N-AMYL KETONE	2	1110-43-0	1.	2.14
ETHYLENE GLY. MONOBUTYL ETHER	4	111-76-2	1	.88
CARBON BLACK	.27	133-86-4	.0	00.0

SECTION 3-PHYSICAL DATA

BOILING RANGE: 175.0 – 340.0 DEG F FREEZING POINT N/A DEG F
VAPOR PRESSURE: 31.00mm@ 20 DEGC VAPOR DENSITY: HEAVIER THAN AIR
SPECIFIC GRAVITY: 0.96 H20 SOLUBLE: NEGLIGIBLE (<0.1%)
EVAPORATION RATE: SLOWER %VOLATILE BY VOLUME: 85.765%
(RELATIVE TO N-BUTYL ACETATE)

THEORETICAL WEIGHT PER GALLON: 7.81 LB/GAL
PHYSICAL STATE: LIQUID
APPEARANCE: LOW VISCOSITY LIQUID
ODOR: STRONG SOLVENT ODOR
VOC: 6.22 LBS/GAL

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 27.0 DEG F

EXPLOSIVE LIMITS	LEL	UEL (%V IN AIR)
	1.0	7.6

MEHTHOD USED TAG
FLAMMABILITY CLASSIFICATION
OSHA: FLAMMABLE LIQUID CLASS IC
DOT: FLAMMABLE LIQUID OR SOLID
DOT SHIPPING NAME: PAINT UN 1263 II CLASS: 55
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE (CO2), DRY CHEMICAL AND WATER FOG OR SPRAY. WATER JET OR STREAM IS NOT SUITABLE.
UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPOR IS HEAVIER THAN AIR. VAPORS MAY TRAVEL AND IGNITE OR FLASHBACK. DANGEROUS WHEN HEATED. DO NOT USE WELDING OR CUTTING TORCH NEAR COATINGS OR EMPTY CONTAINERS. THESE COULD IGNITE EXPLOSIVELY. CLOSED CONTAINERS MAY EXPLODE (DUE TO BUILD UP OF VAPOR PRESSURE) WHEN EXPOSED TO EXTREME HEAT. KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME.
SPECIAL FIRE FIGHTING PROCEDURES: FULL EMEMEGENCY EQUIPMENT WITH SELF CONTAINED BREATHING APPARATUS WORN. CLOSE ALL VALVES TO THE AREA. SHUT OFF POWER TO THE AREA. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. WATER FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTO IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT

SECTION 5- TOXICOLOGICAL INFORMATION

MATERIAL DESCRIPTION	PEL	TLV MG/M3	TWA PPM	LD50 MG/KG RAT ORAL	LD50 MG/KG RBT DERMAL	LC50 PPM RAT INHAL
ISOPROPYL ALCOHOL	400.0	0.0	400.0	0.0	0.0	0.0
XYLENE	100.0	435.0	100.0	0.0	0.0	0.0
TOLUENE	200.0	.0	100.0	0.0	0.0	0.0
N-BUTYL ACETATE	150.0	.0	150.0	0.0	0.0	0.0

METYL N-AMYL KETONE	100.0	.0	50.0	0.0	0.0	0.0
ETHYLENE GLY MONOBUTYL ETHER	50	.0	25	1746	435	800
CARBON BLACK	3	0	0	0	0	0

SECTION 6-HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE.PRIMARY ROUTES OF ENTRY ARE:
EYE CONTACT: DIRECT CONTACT MAY CAUSE IRRITATION
SKIN CONTACT: PROLONGED OR REPEATED CONTACT WITH PRODUCT MIGHT CAUSE IRRITATION.
INHALATION: PROLONGED OVEREXPOSURE OF TLV MAY CAUSE HEADACHE AND NAUSEA.
INGESTION: CONSULT A PHYSCIAN
EMERGENCY AND FIRST AID PROCEDURES: IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATERFOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN WASH THOROUGHLY WITH SOAP AND WATER WHILE REMOVINGCONTAMINATED CLOTHING AND SHOES.WASH CONTAMINATED CLOTHING.THOROUGHLY CLEAN CONTAMINATED SHOES. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.
CALIFORNIA PROPOSITION 65 INFORMATION: THIS MATERIAL CONTAINS NO INTENTIONALLY ADDED INGREDIENTS, COVERD BY THE CALIFORNIA "SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986"(PROPOSITION 65), UNLESS SPECIFICALLY STATED UNDER OTHER HEALTH HAZARDS.
OTHER HEALTH HAZARDS: NONE

SECTION 7-REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: ELEVATED TEMPERATURES.
INCOMPATABILITY (MATERIALS TO AVOID): AVOID STRON OXIDING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON CO2, CO IF INVOLVED IN FIRE FROM OTHER SOURCES COULD CONCEIVABLY RESULT IN RELEASE OF CARBON DIOXIDEAND CARBON MONOXIDE FUMES.

SECTION 8-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID BREATHING IN VAPORS. VENTALTE AREA. CONTAIN AND REMOVE INERT ABSORBENT NON-SPARKING TOOLS.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL , STATE AND FEDERAL REGULATIONS.DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY.

SECTION 9-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: AVOID BREATHING OF SPRAY MIST. IF SPRAYED, WEAR MECHANICAL FILTER RESPIRATOR TO REMOVE SOLID PARTICLES OF OVERSPRAY. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIATOR USE. NESA/NIOSH APPROVED RESPIRATOR
VENTILATION: PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO PREVENT AIR CONTAMINANT CONCENTRATION BUILD UP. REFER TO OSHA STANDARD 1910.94.
PROTECTIVE GLOVES: IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT, WEAR PLASTIC GLOVES FOR THE DURATION OF ANTICIPATED EXPOSURE. GLOVES IMPERVIOUS TO SOLVENTS.
EYE PROTECTION: AVOID CONTACT WITH EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS.
OTHER PROTECTIVE EQUIPMENT: NONE NORMALLY REQUIRED. IF UNABLE TO AVOID PROLONGED OR REPEATED CONTACT WITH SKIN, WEAR PROTECTIVE CLOTHING.

SECTION 10-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT STORE ABOVE 100 DEG. F. KEEP CONTAINERS CLOSED WHEN NOT IN USE AND UPRIGHT TO PREVENT LEAKAGE. USE EXPLOSION PROOF ELECTRICAL EQUIPMENT.
OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE EATING.
KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY

MATERIAL SAFETY DATA SHEET

S00705
01 00

DATE OF PREPARATION
Nov 27, 2009

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER
S00705
PRODUCT NAME
SPRAYON® Brake & Parts Cleaner
MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
KRYLON PRODUCTS GROUP
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	(800) 251-2486 www.kpg-industrial.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
**for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
15	108-88-3	**Toluene**		
		ACGIH TLV	20 PPM	22 mm
		OSHA PEL	100 PPM (Skin)	
		OSHA PEL	150 PPM (Skin) STEL	
5	67-56-1	**Methanol**		
		ACGIH TLV	200 PPM (Skin)	92 mm
		ACGIH TLV	250 PPM (Skin) STEL	
		OSHA PEL	200 PPM (Skin)	
		OSHA PEL	250 PPM (Skin) STEL	
74	67-64-1	**Acetone**		
		ACGIH TLV	500 PPM	180 mm
		ACGIH TLV	750 PPM STEL	
		OSHA PEL	1000 PPM	
6	124-38-9	**Carbon Dioxide**		
		ACGIH TLV	5000 PPM	760 mm
		OSHA PEL	5000 PPM	

SECTION 3 — HAZARDS IDENTIFICATION

HMIS Codes

Health	3
Flammability	3
Reactivity	0

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.
EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.
CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	EXTINGUISHING MEDIA
18 °F PMCC	1.0	36.5	Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	6.76 lb/gal	810 g/l
SPECIFIC GRAVITY	0.81	
BOILING POINT	<0 - 238 °F	<-18 - 114 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	100%	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	7.0	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)
Volatile Weight 20.00% Less Water and Federally Exempt Solvents

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
TOXICOLOGY DATA

CAS No.	Ingredient Name			
108-88-3	Toluene			
		LC50 RAT	4HR	4000 ppm
		LD50 RAT		5000 mg/kg
67-56-1	Methanol			
		LC50 RAT	4HR	64000 ppm
		LD50 RAT		5630 mg/kg
67-64-1	Acetone			
		LC50 RAT	4HR	Not Available
		LD50 RAT		5800 mg/kg
124-38-9	Carbon Dioxide			
		LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.
Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

US Ground (DOT)
May be classed as Consumer Commodity, ORM-D
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)
Canada (TDG)
May be classed as Consumer Commodity, ORM-D
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

IMO

May be shipped as Limited Quantity
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U

SECTION 15 — REGULATORY INFORMATION

SARA 313 *(40 CFR 372.65C)* SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	15	
67-56-1	Methanol	5	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

PARID: R72 05608 0094
PARCEL LOCATION: 1000 WEBSTER ST **NBHD CODE: C0200000**

Click here to view neighborhood map

Owner

Name
MJ REAL ESTATE GROUP LLC

Mailing

Name	MJ REAL ESTATE GROUP LLC
Mailing Address	4991 HEMPSTEAD STATION DR
City, State, Zip	KETTERING, OH 45429

Legal

Legal Description	84308 MJ REAL ESTATE GROUP PLAT
Land Use Description	I - MANUFACTURING & ASSEMBLY LIGHT
Acres	1.99
Deed	
Tax District Name	DAYTON CITY

Values

	35%	100%
Land	25,550	73,010
Improvements	71,030	202,950
CAUV	0	0
Total	96,580	275,960

Current Year Special Assessments

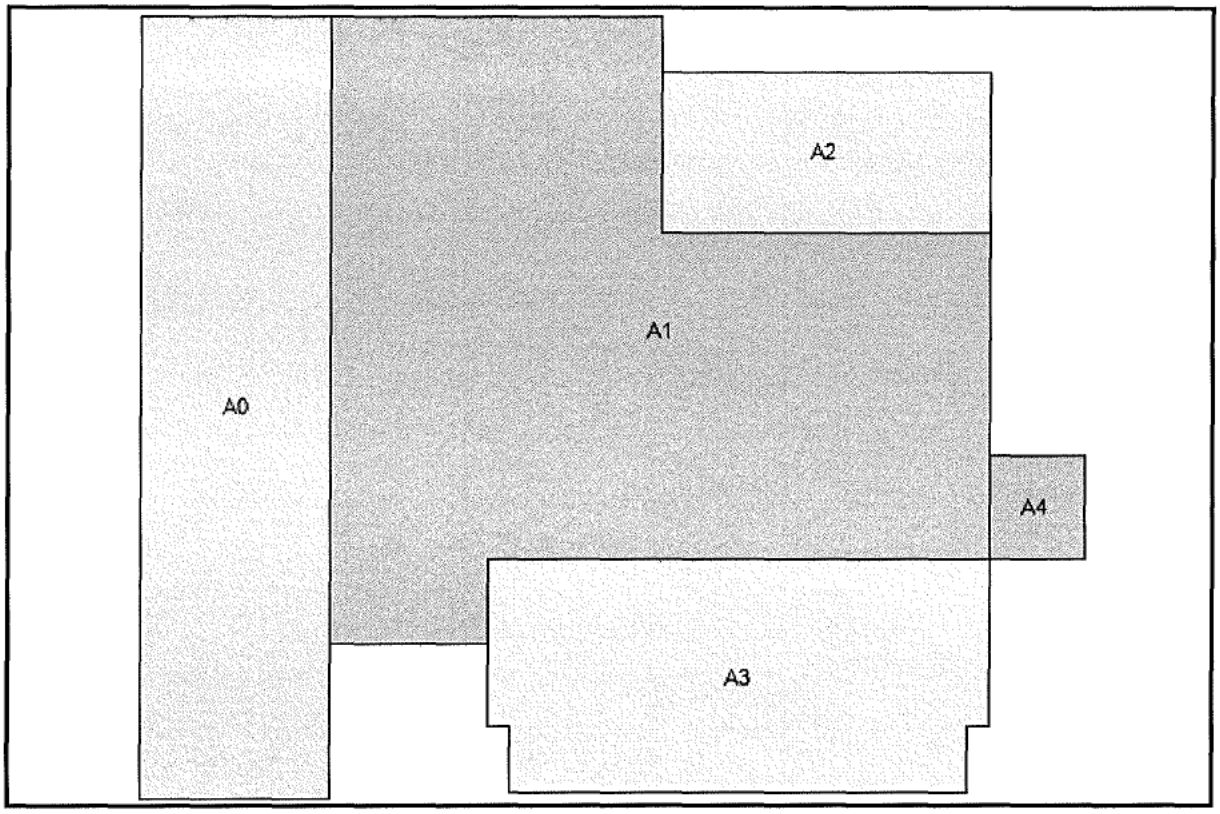
31911-DAY LIGHT DISTRICT B	$126.04
41001-MCD DAM SAFETY INITIATIVE FUND	$145.84
11777-APC FEE	$324.35
41100-MCD/AP MCD/AQUIFER PRES SUBD	$2.43
41000-M.C.D. MIAMI CONSERVANCY DIST	$445.60

Current Year Rollback Summary

Non Business Credit	$0.00
Owner Occupancy Credit	$0.00
Homestead	$0.00
City of Dayton Credit	$0.00
Reduction Factor	-$628.58

Tax Summary

Year	Prior Year	Prior Year Payments	1st Half Due 2/16/2018	1st Half Payments	2nd Half Due 7/20/2018	2nd Half Payments	Total Currently Due
2017	$0.00	$0.00	$6,183.94	-$6,183.94	$5,464.02	-$5,464.02	$0.00


A2
A1
A0
A4
A3

Summary
Property Description
Tax Summary
Payments List
Levy Distribution
New Levies
Special Assessments
Permits
Value History
Rental Registration
Sketch
Sales
Photo
Tax Detail
Pay Taxes

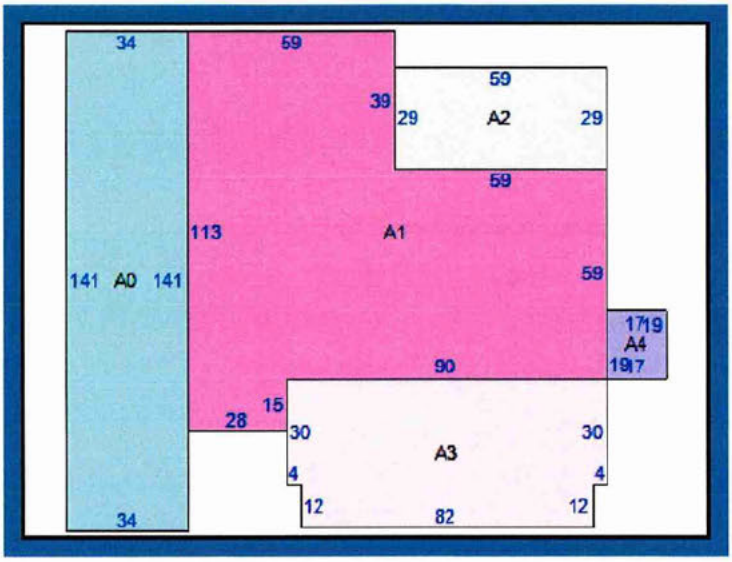
PARID: R72 05608 0094
PARCEL LOCATION: 1000 WEBSTER ST

NBHD CODE: C0200000

Tax Year: 2017

CURRENT RECORD
1 of 1
Return to Search Results

Printable Version



Legend Options

Label	Code	Description	Area
A0	045	WAREHOUSE	4749
A1	045	WAREHOUSE	9683
A2	045	WAREHOUSE	1711
A3	082	MULTI-USE OFFICE	3684
A4	RS1	UTILITY BLDG-FRAME	323

Click on an item to display it independently.

05457-0321

The State of Ohio

Bob Taft

Secretary of State

935145

Certificate

It is hereby certified that the Secretary of State of Ohio has custody of the Records of Incorporation and Miscellaneous Filings; that said records show the filing and recording of: ARF

of:

JULIE HAYNARD, INC.

United States of America
State of Ohio
Office of the Secretary of State

Recorded on Roll 5457 at Frame 0322 of the Records of Incorporation and Miscellaneous Filings.

Witness my hand and the seal of the Secretary of State at Columbus, Ohio, this 4TH day of MARCH, A.D. 19 96.

Bob Taft
Bob Taft
Secretary of State

05457-0322

APPROVED
By SBG
Date 3-4-96
Amount 85.00
96030453601

ARTICLES OF INCORPORATION

OF

JULIE MAYNARD, INC.

The undersigned, desiring to form a corporation, for profit, under Sections 1701.01 et seq. of the Revised Code of Ohio, does hereby certify:

FIRST: The name of the corporation is Julie Maynard, Inc.

SECOND: The place in Ohio where its principal office is to be located is Beavercreek, Greene County.

THIRD: The purpose for which the corporation is formed is to engage in any lawful act or activity for which corporations may be formed under Ohio Revised Code § 1701.01 to § 1701.98.

FOURTH: The number of shares which the corporation is authorized to have outstanding is 750 shares of common stock, no par value.

FIFTH: The amount of stated capital with which the corporation shall begin business is Seven Hundred Fifty Dollars ($750.00).

IN WITNESS WHEREOF, I have hereunto subscribed my name this 29th day of February 1996.

Julie Maynard
Julie Maynard
Incorporator

Prescribed by
Bob Taft, Secretary of State
30 East Broad Street, 14th Floor
Columbus, Ohio 43266-0418
Form AGO (August 1992)

05457-0323

ORIGINAL APPOINTMENT OF STATUTORY AGENT

The undersigned, being at least a majority of the incorporators of Julie Maynard, Inc. (name of corporation), hereby appoint Julie Maynard (name of agent) to be statutory agent upon whom any process, notice or demand required or permitted by statute to be served upon the corporation may be served. The complete address of the agent is:

3975 Turnberry Way (street address)

Beavercreek (city), Ohio 45430 (zip code).

NOTE: P.O. Box addresses are not acceptable.

Julie Maynard Julie Maynard (Incorporator)

(Incorporator)

(Incorporator)

ACCEPTANCE OF APPOINTMENT

The undersigned, Julie Maynard, named herein as the statutory agent for Julie Maynard, Inc. (name of corporation), hereby acknowledges and accepts the appointment of statutory agent for said corporation.

Julie Maynard Julie Maynard Statutory Agent

INSTRUCTIONS

1) *Profit and non-profit articles of incorporation must be accompanied by an original appointment of agent.* R.C. 1701.07(B), 1702.06(B).

2) The statutory agent for a corporation may be (a) a natural person who is a resident of Ohio, or (b) an Ohio corporation or a foreign profit corporation licensed in Ohio which has a business address in this state and is explicitly authorized by its articles of incorporation to act as a statutory agent. R.C. 1701.07(A), 1702.06(A).

3) An original appointment of agent form must be signed by at least a majority of the incorporators of the corporation. R.C. 1701.07(B), 1702.06(B). These signatures must be the same as the signatures on the articles of incorporation.

** As of October 8, 1992, R.C. 1701.07(B) will be amended to require acknowledgement and acceptance by the appointed statutory agent.*